

P/2 DA2 PLUS

Two Output VGA Distribution Amplifier



FEATURES

- Input: One male 15-pin HD connector on attached 5' (1.5 m) male VGA cable
- Outputs: Two female 15-pin HD connectors
- 300 MHz (-3dB) RGB video bandwidth, fully loaded
- Compatible with VGA-QXGA resolutions
- Both outputs are individually buffered
- Routes all video card ID bits through the local monitor output to allow for automatic resolution selection by DDC1 and DDC2 plug and play cards and projectors
- DIP-switch selectable input and output sync impedance
- External universal power supply attached

DESCRIPTION

The Extron P/2 DA2 PLUS is a one input, two output, high resolution VGA distribution amplifier. Housed in a compact, durable enclosure, the P/2 DA2 PLUS is portable enough to fit into a briefcase for presenters on-the-go. The P/2 DA2 PLUS offers 300 MHz (-3 dB) RGB video bandwidth and is compatible with VGA-QXGA graphic cards, projectors and flat panel displays.

Minimum/maximum levels 0.4 V to 1.4 Vp-p (follows input)
 Impedance 75 ohms
 Return loss -41 dB @ 5 MHz
 DC offset ±5 mV maximum with input at 0 offset

SYNC

Input type RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
 Output type RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
 Input level Analog or TTL, 1.7 V to 5 Vp-p
 Output level TTL: 0-5 Vp-p, unterminated
 Input impedance 510 ohms (default) or 10k ohms, selectable
 Output impedance 50 ohms (default) or 75 ohms, selectable
 Max. propagation delay 60 ns
 Max. rise/fall time 4 ns
 Polarity Positive or negative (follows input)

GENERAL

Attached external power supply
 100 VAC to 240 VAC, 50/60 Hz, 4.5 watts, external, universal; to 12 VDC, 1 A, regulated
 Power input requirements 12 VDC, 0.2 A
 Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
 Rack mount No
 Enclosure type Plastic
 Enclosure dimensions 1.5" H x 5.0" W x 2.5" D
 3.8 cm H x 12.7 cm W x 6.4 cm D
 (Depth excludes connectors.)
 Product weight 1.6 lbs (0.7 kg)
 Shipping weight 3 lbs (2 kg)
 Vibration ISTA 1A in carton (International Safe Transit Association)
 Listings UL, CUL
 Compliances CE
 MTBF 30,000 hours
 Warranty 3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO

Gain Unity
 Peaking Fixed
 Bandwidth 300 MHz (-3 dB)

VIDEO INPUT

Number/signal type 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter)
 Connectors (1) 15-pin HD male cable (built-in)
 Nominal level 1.0 Vp-p for Y of component video
 Minimum/maximum levels Analog: 0.4 V to 1.4 Vp-p with no offset at unity gain
 Impedance 75 ohms
 Horizontal frequency 15 kHz to 135 kHz
 Vertical frequency 30 Hz to 170 Hz
 Return loss <-38 dB @ 5 MHz

VIDEO OUTPUT

Number/signal type 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter)
 Connectors (2) 15-pin HD female
 Nominal level 1.0 Vp-p for Y of component video
 0.7 Vp-p for RGB and for R-Y and B-Y of component video

MODEL

VERSION DESCRIPTION

P/2 DA2 PLUS 1x2 VGA-QXGA 60-046-03

OPTIONAL ACCESSORIES

MODEL DESCRIPTION

T-VGA VGA and SVGA Termination Adapter Plug page 798 26-106-01

